

BIOTECHNOLOGY  
SYSTEMS  
BRANCH**RAW SEQUENCE LISTING  
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/826,834  
Source: IFWO  
Date Processed by STIC: 4/26/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENT IN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORS IN SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

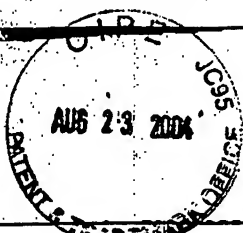
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/efb/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry Directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 4003 Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

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## Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

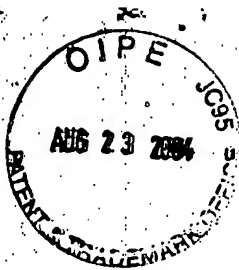
10/826,834

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      **Wrapped Nucleics**    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      **Invalid Line Length**    The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      **Misaligned Amino**    The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      **Non-ASCII**    The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      **Variable Length**    Sequence(s)            contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      **PatentIn 2.0**    A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)           . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      **Skipped Sequences**    Sequence(s)            missing. If intentional, please insert the following lines for each skipped sequence:  
(OLD RULES)    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                  (i)    SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                  This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      **Skipped Sequences**    Sequence(s)            missing. If intentional, please insert the following lines for each skipped sequence  
(NEW RULES)    <210> sequence id number  
                  <400> sequence id number  
                  000
- 9      **Use of n's or Xaa's**    Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10    **Invalid <213>**    Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or  
       **Response**    scientific name (Genus/species) <220>-<223> section is required when <213> response is Unknown or  
                  is Artificial Sequence.
- 11      **Use of <220>**    Sequence(s)            missing the <220> "Feature" and associated numeric identifiers and responses.  
                  Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or  
                  "Unknown." Please explain source of genetic material in <220> to <223> section.  
                  [See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32] (Sec. 1.823 of Sequence Rules)
- 12      **PatentIn 2.0**    Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,  
         **"bug"**    resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence  
                  listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      **Misuse of n/Xaa**    "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC - Biotechnology Systems Branch - 09/09/2003

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IFWO

## RAW SEQUENCE LISTING

DATE: 04/26/2004

PATENT APPLICATION: US/10/826,834

TIME: 14:49:41

Input Set : A:\PRD2047NP April 14, 2004.txt

Output Set: N:\CRF4\04122004\J826834.raw

3 <110> APPLICANT: Kamme, Fredrik C.  
4 Meurers, Bernhard H.  
5 Talantov, Dmitri  
6 Yu, Jingxue  
8 <120> TITLE OF INVENTION: PRESERVATION OF RNA IN A BIOLOGICAL SAMPLE  
10 <130> FILE REFERENCE: PRD2047NP  
C-> 12 <140> CURRENT APPLICATION NUMBER: US/10/826,834  
C-> 12 <141> CURRENT FILING DATE: 2004-04-15  
12 <150> PRIOR APPLICATION NUMBER: US 60/465307  
13 <151> PRIOR FILING DATE: 2003-04-02  
15 <160> NUMBER OF SEQ ID NOS: 4  
17 <170> SOFTWARE: PatentIn version 3.2  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 20  
21 <212> TYPE: DNA  
22 <213> ORGANISM: PCR primer  
24 <400> SEQUENCE: 1  
25 cctccactgg catctatgag  
28 <210> SEQ ID NO: 2  
29 <211> LENGTH: 20  
30 <212> TYPE: DNA  
31 <213> ORGANISM: PCR primer  
33 <400> SEQUENCE: 2  
34 cctctatcgc cacattgctc  
37 <210> SEQ ID NO: 3  
38 <211> LENGTH: 20  
39 <212> TYPE: DNA  
40 <213> ORGANISM: PCR primer  
42 <400> SEQUENCE: 3  
43 agatgacctg gtaggggagg  
46 <210> SEQ ID NO: 4  
47 <211> LENGTH: 20  
48 <212> TYPE: DNA  
49 <213> ORGANISM: PCR primer  
51 <400> SEQUENCE: 4  
52 gtgtgactg tgattcagac

Does Not Comply  
Corrected Diskette Needed

Invalid  
Response

Invalid  
Response

same error

same error

↑ mandatory <213> Responses has to  
be either artificial / unknown  
on Genus / species. please  
see item #10 on error  
summary sheet.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/826,834

DATE: 04/26/2004

TIME: 14:49:42

Input Set : A:\PRD2047NP April 14, 2004.txt

Output Set: N:\CRF4\04122004\J826834.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

